Active Recombinant Mouse Bsg protein, His&hFc-tagged

Cat. No. Bsg-2268M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Bsg protein(NP_001070652.1)(Met1-Arg209), fused with His and hFc tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Arg209
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Using the Octet RED System, the affinity constant (Kd) of mouse CD147-Fc bound to Human PPIA-His was 0.4 μM.
Molecular Mass	The secreted recombinant mouse BSG/Fc is a disulfide-linked homodimer The reduced monomer comprises 436 amino acids and has a predicted molecular mass of 48.6 kDa. As a result of glycosylation, it migrates as an approximately 60-70 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE

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Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Bsg basigin [Mus musculus]
Official Symbol	Bsg
Synonyms	BSG; basigin; gp 42; HT7 antigen; neurothelin; 5A11/Basigin; membrane glycoprotein gp42; basic immunoglobulin superfamily; HT-7; CD147; EMMPRIN; AI115436; AI325119;
Gene ID	12215
mRNA Refseq	NM_001077184
Protein Refseq	NP_001070652

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